



FIG Pacific Small Island Developing States Symposium

Policies and Practices for Responsible Governance

Suva, Fiji
18–20 September 2013



Organized by:



INTERNATIONAL
FEDERATION OF
SURVEYORS

FOOD AND
AGRICULTURE
ORGANIZATION
OF UNITED NATIONS



VISUALIZE THE FUTURE. REALIZE YOUR OPPORTUNITIES.

Visualize the future for your business. By taking advantage of cutting-edge geospatial solutions offered by Trimble®, the opportunities for your business are endless – whether it is providing unprecedented deliverables to clients or venturing into new markets with new capabilities or creating greater efficiencies for increased productivity.

With a commitment to developing a broad ecosystem of integrated solutions for positioning, imaging, measurement, modeling, and analysis, Trimble addresses your complete work processes and business challenges of today...and tomorrow.

VISIT OUR NEW WEBSITE AT WWW.TRIMBLE.COM to share your vision and learn about the latest solutions from Trimble that can help you realize the opportunities available to you.



Background

During the *XXIV FIG Congress in Sydney, 2010*, a seminar was organized to address the challenges Small Island Developing States are facing in achieving the Millennium Development Goals (MDGs) and with a special focus on the South Pacific Region.

The seminar emphasized the importance of good land governance especially in relation to climate change and natural disaster; access to land, coastal and marine resources; and secure land tenure and administration. The seminar adopted the *Sydney Agenda for Action* that aims at developing the capacity of land professionals to deal with these challenges.

Purpose

FIG will support its membership in the region to realize a two-day *Pacific Region Small Island Developing States Symposium* that will include the following thematic tracks

- improved governance of tenure of land, fisheries and forests
- geospatial information management; and
- secure land and property rights for all.

Cross cutting themes include capacity development, professional development and climate change.

The symposium will include Plenary Session presentations and Technical Sessions that could take the form of Workshops, Panel Discussions and Roundtables to address these themes. The overall goal is to deliver professional knowledge, engage professionals and stake holders and contribute towards in-region information dissemination and capacity development.



© Mark Whitty

Conference Organizers and Partnership

International Federation of Surveyors



The International Federation of Surveyors is an international, non-government organization whose purpose is to support international collaboration for the progress of surveying in all fields and applications.

FIG is the premier international organization representing the interests of surveyors worldwide. It is a federation of the national member associations and covers the whole range of professional fields within the global surveying community. It provides an international forum for discussion and development aiming to promote professional practice and standards.

FIG was founded in 1878 in Paris and was known as the *Fédération Internationale des Géomètres*. This has become anglicized to the International Federation of Surveyors. It is a UN-recognized non-government organization (NGO), representing more than 120 countries throughout the world, and its aim is to ensure that the disciplines of surveying and all who practice them meet the needs of the markets and communities that they serve.

FIG Council Members 2011–2014:

- President: Mr. **CheeHai Teo** (Malaysia)
- Vice-President:
Prof. **Chryssy Potsiou** (Greece)
- Prof. **Rudolf Staiger** (Germany)

- Dr. **Pengfei Cheng** (China)
- Mr. **Bruno Razza** (Italy)
- ACCO Representative:
Prof. **Yerach Doytsher** (Israel)

FIG's technical work is led by ten Commission (Commission Chairs 2011–2014):

- **Commission 1** – Professional Standards and Practice – Ms. **Leonie Newnham** (Australia)
- **Commission 2** – Professional Education – Prof. **Steven Frank** (USA)
- **Commission 3** – Spatial Information Management – Prof. **Yerach Doytsher** (Israel)
- **Commission 4** – Hydrography – Dr. **Michael Sutherland** (Trinidad and Tobago)
- **Commission 5** – Positioning and Measurement – Mr. **Mikael Lilje** (Sweden)
- **Commission 6** – Engineering Surveys – Prof. **Gethin Wyn Roberts** (China)
- **Commission 7** – Cadastre and Land Management – Mr. **Daniel Roberge** (Canada)
- **Commission 8** – Spatial Planning and Development – Mr. **Wafula Luasi Nabutola** (Kenya)
- **Commission 9** – Valuation and the Management of Real Estate – Dr. **Frances Plimmer** (United Kingdom)
- **Commission 10** – Construction Economics and Management – Mr. **Robert Šinkner** (Czech Republic)

Food and Agriculture Organization of the United Nations



Achieving food security for all is at the heart of FAO's efforts – to make sure people have regular access to enough high-quality food to lead active, healthy lives.

The mandate is to improve nutrition, increase agricultural productivity, raise the standard of living in rural populations and contribute to global economic growth.

Strategic objectives:

- Help eliminate hunger, food insecurity and malnutrition
- Make agriculture more productive and sustainable
- Reduce rural poverty
- Ensure inclusive and efficient agricultural and food systems
- Protect livelihoods from disasters.

Fiji Institute of Surveyors



The Fiji Institute of Surveyors, FIS, fosters efficiency and effectiveness in service delivery in a responsible manner with a clear strategic vision as:

- a) To support and protect the character status and interest of land professionals especially of the land surveyors practicing in Fiji.
- b) To promote and maintain the highest possible standards of professional ethics and practices and promote honorable practice and, to repress malpractices by practicing land surveyors in Fiji.
- c) To work with Government, Statutory Bodies and all Stakeholders towards formulation of proper Regulations and policies to enhance socio-economic development in Fiji.
- d) To facilitate improvement in the timeframe taken to facilitate and obtain approval for land development work in Fiji.

- e) To work closely with government and other stakeholders in maintaining good governance in terms of Accountability and Transparency in land development processes.

The Fiji Institute of Surveyors also guides and facilitates framework to address the professional training and registration of members by:

- Encouraging maintenance of appropriate standards of education for land surveying and land economics and the establishment of appropriate facilities for education and training.
- Help to develop professional techniques and practices attuned to national needs.

The FIS promotes dialogue and a sustained mechanism of partnership with the government departments and stakeholders to produce and enhance the fundamental structure of better policies, regulations and approval processes.

Ministry of Lands and Mineral Resources, Land Use Unit



The Ministry of Lands and Mineral Resources is a key facilitator and contributor to the nations socio-economic development within Government's vision of "Building a Better Fiji for All".

It is responsible for policy formulation, monitoring and implementation of programs in the areas governing state land administration, mineral sector and Fiji's groundwater resource.

The Ministry's activities are directly aligned to the People's Charter for Change, Peace and Progress; the Strategic Framework for and the Roadmap for Democracy and Sustainable Socio-Economic Development 2009–2014.

Through the web site www.lands.gov.fj the Ministry is attempting to bridge the information gap between the Ministry, stakeholders and our clients so that together we can improve our services for the benefit of all.

The symposium is supported by



United Nations Human Settlements Programme



Global Land Tool Network



Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific



United Nations Initiative on Global Geospatial Information Management ^{*)}

^{*)} UN-GGIM was established to be the official United Nations and thus inter-governmental consultative mechanism on place, locality and geography and plays a leading role in setting the agenda for the development of global geospatial information management, while promoting its use to meet key global challenges

Welcoming Message



Greetings from FIG President

Colleagues and Friends,

Welcome to the *FIG Pacific Small Island Developing States Symposium* with the theme “Policies and Practices for Responsible Governance”.

Land, the seas and the natural resources provide humanity, among others, food and shelter, economic production and a basis for social, cultural and religious practices. Rights and equitable access are increasingly affected by climate change, natural disasters, population growth, urbanization and competing demands. The responsible governance of land, the seas and the natural resources can help reduce undernourishment and hunger, poverty and create opportunities to support social and economic development.

This symposium comprises plenary and parallel Technical Sessions, Workshops and open meetings aiming to consider and address policies and practices for responsible governance of land, the seas and the natural resources and ultimately sustainable development. Within the symposium, FIG together with its partners and supporters is looking to engage and interact with participants seeking to collaborate in developing the capacity of professionals, partners and stakeholders to deal with these challenges.

Welcome to Suva, Fiji.

Mr. Chee Hai Teo
FIG President

General Information

You need to have registered and paid in advance to get access to the symposium. Full registration includes admission to Plenary Sessions, Workshops and all Technical Sessions, lunches, coffee breaks with refreshments, the Opening Ceremony, the Welcome Reception and the Fijian Dinner.

Accompanying persons

Accompanying person registration includes the Opening Ceremony, the Welcome Reception and the Fijian Dinner.

Registration Desk

The registration desk is located at the terrace of the Conference Center of Novotel Convention Center.

Opening Hours

Wednesday 18 September	11:00–18:00
Thursday 19 September	07:30–09:00
Friday 20 September	07:30–09:00

Name Badges

Each delegate registered for the conference will receive a name badge at the registration desk. This badge will be your official pass and must be worn to obtain entry to all sessions and social functions.

Speakers' Preparation

Speakers should bring their presentation on a USB stick and go to the conference room to upload their presentation during the break just before their presentation.

Delegate List

The delegate list containing the name and country of the registered delegates is available at the conference web site at www.fig.net/fiji.

Lunch and Coffee Breaks

Thursday 19 September	Lunch	13:00–14:15
	Coffee break	10:45–11:30 and 16:00–16:30
Friday 20 September	Lunch	13:00–14:15
	Coffee break	10:45–11:30 and 16:00–16:30

FIG Pacific Small Island Developing States Symposium

Overview

Opening Ceremony

Wednesday 18 September 15:30–16:30 at Novotel Entertainment Center

All delegates and registered accompanying persons are invited to attend the official Opening Ceremony. You will be greeted by FIG President, Mr. **CheeHai Teo**, and experience traditional Fijian music and dance.

Welcome Reception

Wednesday 18 September 20:00 at Novotel Entertainment Center

All delegates and registered accompanying persons are invited to attend the official Welcome Reception. This is an excellent opportunity to renew old friendships and make new acquaintances as we welcome you to Suva with a flavor of Fijian culture.

Fijian Dinner

Thursday 19 September 20:00 at Novotel Entertainment Center

All delegates and accompanying persons are invited to the Fijian Dinner. Join us in this excellent dinner with a touch of Fijian culture.

We are pleased to announce that the dinner is kindly sponsored by Trimble Navigation Ltd.

Plan of the Convention Center



Event venues

The events will take place at three different locations at *Novotel Convention Center*:

- 1 Novotel Entertainment Center:** Welcome Ceremony, Welcome Reception and Fijian Dinner
- 2 Novotel Conference Center:** Opening Session, Plenary Sessions and Closing Session
- 3 Novotel House:** Workshops and Technical Sessions

Opening Session

The symposium will include Opening Session keynotes, Plenary Session presentations and Technical Sessions taking the form of Workshops, Panel Discussions and Roundtables to address these themes. The overall goal is to deliver professional knowledge, engage professionals and stake holders and contribute towards in-region information dissemination and capacity development.

Wednesday 18 September 2013, 16:30–18:00



Opening – A Special Welcome Address

Minister for Agriculture, Fisheries and Forests and Minister for Rural Maritime Development and National Disaster Management Lt Col **Inia Seruiratu**



Responsible Governance of Tenure of Land, Fisheries and Forest for Sustainable Future

Mr. **Aru Mathias**, Forest Resource Management Officer, Sub-regional Office for the Pacific Islands (SAPD), Food and Agriculture Organization (FAO)



Global Geospatial Information Management for Responsible Governance and Sustainable Development

Mr. **Gregory Scott**, Inter-Regional Advisor, UN Statistics Division, United Nations Global Geospatial Information Management (UN-GGIM)



The Opening Session will be chaired by Mr. **CheeHai Teo**, President of FIG.

Plenary Sessions

Thursday 19 September 2013, 9:00–10:45

National and Regional Collaboration in Implementing VG for Responsible Governance and Sustainable Development

Mr. **Aru Mathias**, Forest Resource Management Officer, Sub-regional Office for the Pacific Islands (SAPD), Food and Agriculture Organization (FAO)

Reference Frame in Practice for Responsible Governance and Suitable Development

Ms. **Jiang XiaoHong**, representing the President of UN-GGIM-AP

In Support of Responsible Governance and Sustainable Development: UN-GGIM-AP Activities

Asia Pacific Reference Frame in support of Responsible Governance and Sustainable Development

Mr. **John Dawson**, Chair of UN-GGIM-AP WG1

Administration of Customary Rights and Tenure for Responsible Governance and Sustainable Development

Ms. **Lowie Rosales**, Human Settlements Officer, Land and GLTN Unit, Urban Legislation, Land and Governance, United Nations Human Settlements Programme (UN-Habitat)

Friday 20 September 2013, 9:00–10:45

Capacity and Professional Development for Responsible Governance and Sustainable Development

Ms. **Sarah Mecartney**, Habitat Programme Manager for the Pacific, United Nations Human Settlements Programme (UN-Habitat)

Tertiary Education: Contribution to Responsible Governance

Prof. **Dominique Fischer**, Head of the School of Land Management and Development, Faculty of Business and Economics, University of the South Pacific, Fiji Islands

Place Based Information Management for Responsible Governance and Sustainable Development

Mr. **Simon Costello**, Group Leader, National Geographic Information / United Nations Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP)

Climate Change and Responsible Governance: The Role of Surveyors in Assisting Small Island Developing States

Prof. **John Hannah**, Chair FIG Climate Change Task Force

Workshops

- Thursday 19 September, 16:30–18:00, **Workshop 1A**, UN-GGIM-AP/FIG: *Reference Frame in Practice*
- Thursday 19 September, 16:30–18:00, **Workshop 1B**, FAO/FIG/GLTN: *Implementing the Voluntary Guidelines*
- Friday 20 September, 11:30–13:00, **Workshop 2A**, UN-GGIM-AP/FIG: *Reference Frames in Practice – Modernising Geodetic Infrastructure*
- Friday 20 September, 11:30–13:00, **Workshop 2B**, FAO/FIG Climate Change Task Force/GLTN: *Implementing GLTN Tools and the FAO Voluntary Guidelines in the Context of Climate Change*

Technical Program

Program at a Glance

	Wednesday 18 Sept	Thursday 19 Sept	Friday 20 Sept
09:00–10:45		Plenary Session 1	Plenary Session 2
10:45–11:30		Tea/Coffee Break	
11:30–13:00	Registration – opens at 11:00 and closes at 18:00	Technical Sessions 1A and 1B	Joint Workshop 2A: UN-GGIM-AP/FIG Joint Workshop 2B: FAO/FIG Climate Change Task Force/GLTN
13:00–14:15		Lunch Break	
14:15–15:45		Technical Sessions 2A and 2B	Closing Panel/Round-table for Joint Workshops
16:00–16:30	Opening Ceremony 15:30–16:30	Tea/Coffee Break	
16:30–18:00	Opening Session	Joint Workshop 1A: UN-GGIM-AP/FIG Joint Workshop 1B: FAO/FIG/GLTN	Closing Session

The Technical program will be handed out separately.

Sponsors



Trimble transforms the way work is done through the application of innovative positioning. By integrating a wide range of positioning technologies such as GPS, laser, optical and inertial with application software, wireless communications and services, Trimble provides complete solutions that are focused on applications requiring position or location – including surveying, construction, mining, agriculture, utilities, public safety, asset management and mapping. Trimble solutions are used in over 100 countries around the world. Our portfolio includes over 900 patents and serves as the basis for the broadest positioning offerings in the industry. With employees in more than 21 countries and a highly capable network of distribution partners, Trimble customers are served and supported with world-class training, support and service capabilities. Visit our website www.trimble.com to see the latest Trimble positioning solutions including surveying, mapping, GNSS infrastructure network, photogrammetry and LIDAR. Find out how Trimble's unique positioning solutions can help you increase your productivity and grow your business!



THE FIJIAN GOVERNMENT

We are honored to announce that the Fijian Government has funded this important event and thus made it possible to conduct the Symposium in the South Pacific.

Fiji, officially the Republic of Fiji, is an island country in Melanesia in the South Pacific Ocean about 1,100 nautical miles northeast of New Zealand's North Island.

President of the Republic of Fiji: **Ratu Epeli Nailatikau** CF, LVO, OBE, MSD, OSTJ.

Prime Minister: Commodore **Josaia Voreqe Bainimarama**.

Web site: www.lands.gov.fj.

The FIG Foundation – Building a Sustainable Future



THE FIG
FOUNDATION

We are honored to announce that FIG Foundation has made it possible for FIG Secretary of Young Surveyors Network, **Eva-Maria Unger**, to participate in the symposium.

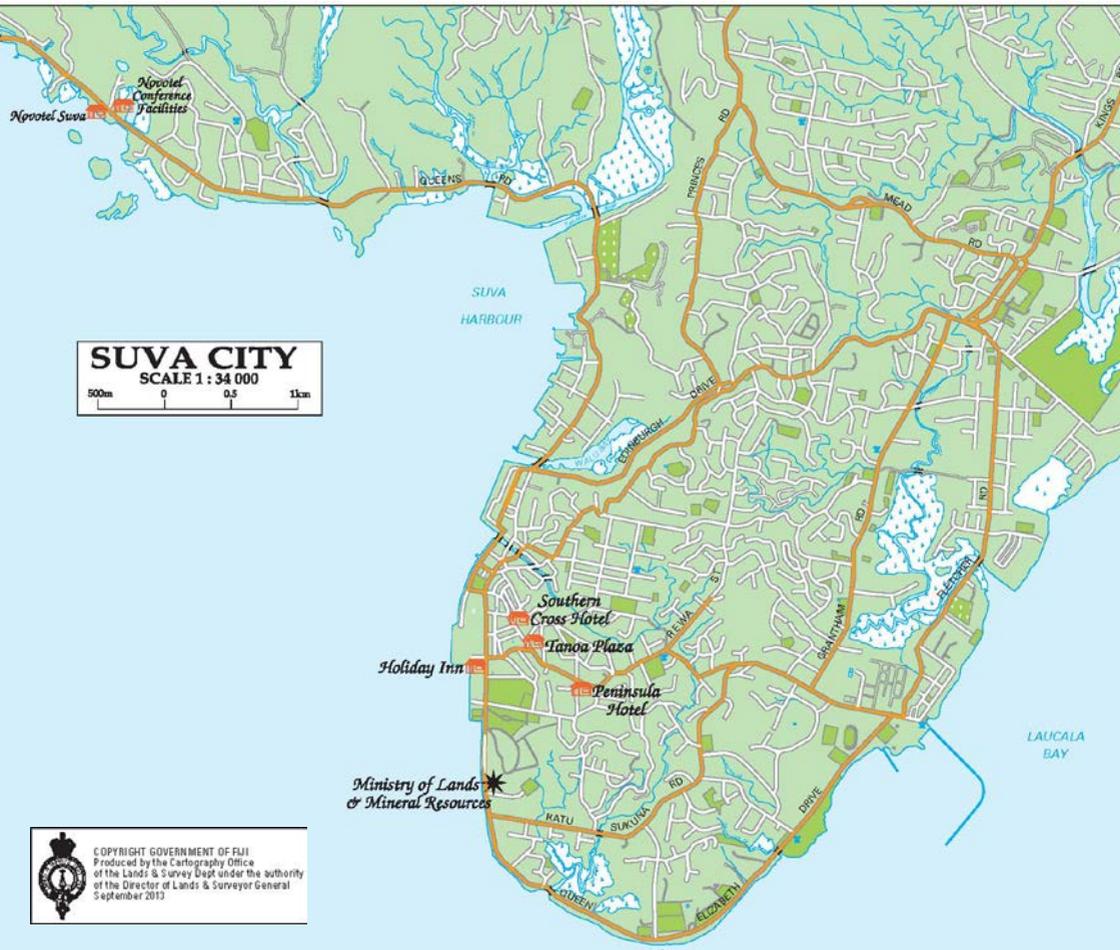
The *FIG Foundation* is an independent body under the International Federation of Surveyors.

- The Foundation has been established for the purpose of raising funds to finance surveying education development projects and supporting young surveyors in order to build a sustainable future.

- The Foundation funds shall not be used to support the normal activities of FIG.
- The Foundation is administered by the FIG Office in Copenhagen and directed by a Board of five Directors appointed by the FIG Council.
- The Directors of the Foundation will announce every year the scholarships and grants available. The first grants were given in 2002.

The Board of Directors for 2012 was as follows: **John Hohol**, President of the FIG Foundation (USA), Prof. **Michael Barry**, (Canada), Prof. **Steven Frank**, (USA), Prof. **Chryssy Potsiou** (Greece) and Prof. **Paul van der Molen** (Netherlands).

The Foundation is also proud to acknowledge Trimble Navigation as an FIG Foundation Charter Partner.



COPYRIGHT GOVERNMENT OF FIJI
 Produced by the Cartography Office
 of the Lands & Survey Dept under the authority
 of the Director of Lands & Surveyor General
 September 2013

General Information about Fiji

Here is some practical information to help you plan your visit.

The Temperature

We have two seasons: warm and even warmer. It's a sunny, tropical climate that'll wash the winter chills from your bones. That doesn't mean it never rains here, but you can expect May to November, our cooler months, to range from 19° to 29°C. And from December to April, the temperatures register from 22° to 33°C.

Geography

Fiji is a very hospitable land of blue-green lagoons, lush rainforests, pine forests, mountains and 1,666 kilometres (1,000 miles) of white sand beaches spread over 300 islands scattered across 709,660 square kilometres (200,000 square miles) of ocean.

Time Zone

Straddling the 180th meridian, Fiji has frequently been called "the crossroads of the Pacific". In fact, the International Date Line has been adjusted so that the entire archipelago falls into the same time zone, 12 hours ahead of Greenwich Mean Time. From November to February Fiji moves one hour ahead with its own daylight savings time.

Population and Language

Fiji's population is approximately 837,000 made up of indigenous Fijians, Indians, Chinese, Europeans and South Pacific Islanders. English is the official language with Fijian and Hindustani also spoken.

Religion

Fiji is a multi-cultural nation with many religious beliefs. The people are primarily of the Wesleyan persuasion. Various protestant denominations, Roman Catholicism, Hinduism

and Islam are also represented.

Local Customs

It is important to dress modestly when away from hotels and resorts and particularly when visiting a Fijian village. Avoid wearing a hat in a village; it is considered an insult to the village chief. It is also insulting to touch someone's head. It's best to not wear shoes if visiting someone's house. When visiting a village it is customary to present an inexpensive gift of 'yaqona' or kava to the "Turaga Ni Koro", the traditional head of the village. Be prepared to shake hands and answer personal questions as to where you are from, whether married; and, if so, how many children.

Health

Fiji is free from malaria, yellow fever and major tropical diseases. Inoculations are only required if travelling from an infected area. There is an effective medical system in place with government and privately run hospitals, clinics, surgical centres, dental service and pharmacies.

Phone Calls and Internet

Fiji's country code is +679. Many hotels and resorts have direct dialing facilities (IDD), and card phones are available in many shops and stores. Look for the Telecom call card signage on display. Fiji is well serviced by local mobile networks including Vodafone Fiji Limited, Digicel and Inkk Mobile. You can also arrange roaming status before travelling here as well as on arrival.

Access to the Internet and email is available in most parts of Fiji. In addition to sites at all major hotels, Internet cafes are abundant in major cities and towns.

Currency and Banking

The Fijian dollar is the basic unit of currency, available in denominations of \$5, \$10, \$20, \$50 and

\$100. Coins are 5c, 10c, 20c, 50c, \$1 and \$2. Normal banking hours are 9:30am to 4:00pm, Monday–Friday and 9:00am to 1:00pm on Saturdays at selected areas. There is a 24 hour currency exchange service at the arrivals concourse at Nadi Airport. ATMs are located around the country and at larger resorts and hotels.

Bargaining

You'll find many sophisticated retail outlets here, suitable for traditional tourist shopping. And if you venture a little further, you'll discover fruit and vegetable markets, overflowing with produce, curio and handicraft vendors, Indian merchandise and specialty gift stores. It's here that you might find yourself in a bargaining session over price. It's all part of the experience, so go ahead and enter into the spirit of it.

Tippling

We don't encourage tipping, but you may, if you wish, offer extra payment for an outstanding service.

Electricity

The electric current is 240 volts AC 50Hz. Fiji has three-pin power outlets, which are identical to Australia and New Zealand. Leading hotels and resorts offer universal outlets for 240v or 11v shavers, hair dryers and other electrical appliances.

Quarantine

To avoid the introduction of foreign plant and animal pests and diseases, we prohibit the importation of vegetable matter, seeds, or any animal product without a permit from the Ministry of Agriculture, Fisheries and Forests.

Taxes

A 15% Government Value Added Tax (VAT) is applicable to all goods and services in Fiji. Visi-

tors staying in hotels and resorts are subject to 5% Hotel Turnover Tax (HTT).

VAT refund scheme

The Fiji VAT refund scheme allows tourists to claim a refund (subject to certain conditions) of VAT paid on goods purchased in Fiji and taken out of Fiji via Nadi International Airport or Suva Wharf as the final port of departure to a foreign destination.

What are the Conditions of the Scheme?

To be eligible for a VAT refund under the Scheme, you must satisfy all the following:

1. Spend a minimum of FJD500 (VAT Inclusive) in any of the approved licensed retailer outlets during your stay in Fiji and take the goods out of Fiji within 2 months from the date of purchase.
2. Carry the goods with you as check-in baggage or hand luggage.
3. Purchase the goods from an approved licensed retailer. You must ask the retailer for a refund form and a tax invoice(s) for goods purchased. So if you are spending over FJD500 at Jacks, Tapoo etc make sure you ask them for the refund form. The licenced retailer must complete the form and attach receipts.

Customs Duty and Duty Free Concessions

A bona fide passenger disembarking in Fiji is entitled to the following duty and VAT free concessions:

- Dutiable goods accompanying passengers (other than alcohol and tobacco products) not exceeding FJD1,000.00 in value.
- Goods that are owned by passengers and not intended as gifts or for sale – personal effects, household effects for returning residents or intending residents, articles taken out of Fiji on departure on which duty and tax have been paid.

Contact Information

International Federation of Surveyors (FIG)

Kalvebod Brygge 31–33
DK-1780 Copenhagen V, DENMARK
Tel. +45 3886 1081
Fax +45 3886 0252
Email: fig@fig.net
Web site: www.fig.net

Ministry of Lands and Mineral Resources

Land Use Unit
1st Floor Civic House
Suva, FIJI
Tel. +679 3309925 / 3309926
Mobile: +679 9904992
Web site: www.lands.gov.fj

Local Organizing Committee



Mr. **Samuela Naicegucegu**
Chair



Mr. **Hiymat Ali**
FIS Member



Mr. **David Chang**
FIS Member



Mrs. **Akata Takala**
Member



Mr. **Timoci Samisoni**
Member



Mr. **Malakai Vakautawale**
Member



Ms. **Meizyanne Hicks**
Member



Mr. **Asakai Tabua**
Member



Mr. **Nicholas Narayan**
Member



Mrs. **Joana Qiodravu**
Member



Mrs. **Lia Tuivuya**
Secretary

Project Group



Mr. **CheeHai Teo**
FIG President



Mr. **Samuela Naicegucegu**
Director of Land Use, Ministry of Lands and Mineral Resources, Land Use Unit
Local Organizer
samuela.naicegucegu@govnet.gov.fj



Dr. **David Mitchell**
School of Mathematical and Geospatial Sciences
Project Manager
david.mitchell@rmit.edu.au



Ms. **Kate Fairlie**
FIG Young Surveyors Network
Project Coordinator
kfairlie@gmail.com



Ms. **Hanne Elster**
FIG Office
Project Coordinator
hanne.elster@fig.net